

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF: Adolf BERNDS et al.
SERIAL NO: Not assigned GROUP ART UNIT: Not assigned
FILED: Herewith EXAMINER: Not assigned
CUSTOMER NO.: 27162
FOR: Polymer mixtures for printed polymer electronic circuits
ATTY/DKT NO.: 411000-148

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SIR:

Pursuant to 37 C.F.R. §1.56(a), Applicant(s) hereby cite(s) the enclosed documents listed on the attached copy of Form PTO-1449. Applicant(s) make no admission that the cited references are prior art or that these references are in fact material to the patentability of the above-entitled application.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 indicated below:

 X §1.97(b) This Information Disclosure Statement is filed:
(1) Within three months of the filing date of a national application; OR
(2) Within three months of the date of entry of the national stage of an international application; OR
(3) Before the mailing of a first Office Action on the merits.
No fee or statement is required.

 §1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action or under 37 CFR §1.113; OR
- (2) A Notice of Allowance under 37 CFR §1.311; AND

is accompanied by either: (check one)

 The statement as specified in 37 CFR §1.97(e) set out below; OR

 The fee of \$180.00 under 37 CFR §1.17(p).

____ §1.97(d) This Information Disclosure Statement is filed after the mailing date of either:

- (1) a Final Action or under 37 CFR §1.113; OR
 - (2) A Notice of Allowance under 37 CFR §1.311;
- BUT filed on or before payment of the Issue Fee; AND
- is accompanied by:
- (1) The statement as specified in 37 CFR §1.97(e) as set forth below; AND
 - (2) Petition is hereby made under 37 CFR §1.97(d) for consideration of this Information Disclosure Statement; AND,
 - (3) The petition fee of \$180.00 set out in 37 CFR §1.17(i).

____ §1.97(e) The undersigned Attorney hereby states that:

- ____ each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement;
- or
- ____ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing date of the Information Disclosure Statement.

The relevancy of the non-English language documents cited herein is that they were cited in a corresponding foreign counterpart application or in a commonly owned foreign application that may contain subject matter that is generally related to the subject matter of the instant application.

The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

Respectfully submitted,
Adolf Bernds et al.

by: William Squire, Reg. No. 25,378

Attorney for Applicants
CARELLA, BYRNE, BAIN, GILFILLAN,
CECCHI, STEWART & OLSTEIN
5 Becker Farm Road
Roseland, NJ 07068

Tel: (973)994-1700 Fax: (973)994-1744

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	Not assigned 10/569233
				Filing Date	Herewith
				First Named Inventor	Adolf Berndts
				Group Art Unit	Not assigned
				Examiner Name	Not assigned
Sheet	1	Of	2	Attorney Docket Number	411000-148

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. ¹	Document Number	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kid Code ² (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initial*	Cite No. ¹	Foreign Patent Document	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		DE 101 20 686	11-07-2002	Siemens AG	see attached letter	
		EP 0 690 457	12-22-1999	Al-Coat Lts.		X

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	Not assigned
		Filing Date	Herewith
		First Named Inventor	Adolf Bernds
		Group Art Unit	Not assigned
		Examiner Name	Not assigned
		Attorney Docket Number	411000-148
Sheet	2	2	

NON PATENT LITERATURE DOCUMENTS

Examiner Initial*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		WANG, H.L. et al., "Conducting polymer blends: polythiophene and polypyrrole blends with polystyrene and poly (bisphenol A carbonate)", Macromolecules, Vol. 23, 1990, pp 1053-1059.	X
		WANG, Yading, et al, "Electrically conductive semiinterpenetrating polymer networks of poly(3-octylthiophene)", Macromolecules, Vol.. 25, 1992, pp 3284-3290.	X
		BRABEC, C.J. et al., "Photovoltaic properties of conjugated polymer/methanofullerene composites embedded in a polystyrene matrix", Journal of Applied Physics, Vol. 85, No. 9, 1999, pp 6866-6872.	X
		BRABEC, et al., "Photoinduced FT-IR spectroscopy and CW-photocurrent measurements of conjugated polymers and fullerenes blended into a conventional polymer matrix", Solar Energy Materials and Solar Cells, Vol. 61, 2000, pp 19 -33.	X
		SHAHEEN, S.E. et al., "Low band gap polymeric photovoltaic devices", Synthetic Metals, Vol. 121, 2001, pp 1583-1584.	X
		NALWA, H.S., "Organic Conductive Molecules and Polymers", Vol. 2, 1997, pp 534 - 535.	X
		SPEAKMAN, S.P. et al., "High performance organic semiconducting thin films: Ink Jet printed polythiophene [<i>r</i> -P3HT], Organic Electronics 2 (2), 2001, pp 65 - 73.	X
		GARBASSI F. ET AL, "Bulk Modifications", Polymer Surfaces, John Wiley & Sons, 1998, pp 289-300.	X

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.